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SEQUENCE LISTING

<110> Sirna Therapeutics, Inc.  
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Chowrira, Bharat  
Haeberli, Peter

<120> RNA Interference Mediated Inhibition Of NOGO And NOGO Receptor  
Gene Expression Using Short Interfering Nucleic Acid (siNA)

<130> 400/232 (MBHB00-878-J)

<140> PCT/US04/026930  
<141> 2004-08-20

<150> US 10/430,882  
<151> 2003-05-06

<150> PCT/US02/10512  
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<150> US 09/827,395  
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<150> US 09/780,533  
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<150> US 60/181,797  
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<150> US 10/826,966  
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<210> 203  
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<210> 204  
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 inverted nucleotide or other terminal cap that is optionally present

<220>  
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 inverted nucleotide or other terminal cap that is optionally present

<220>  
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 <222> (20)..(21)  
 <223> n stands for any nucleotide

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<223> Phosphorothioate or Phosphorodithioate 3'-Internucleotide Linkage (optionally present)

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<223> n stands for any nucleotide

<220>

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<222> (21)..(21)

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<400> 304

nnnnnnnnnn nnnnnnnnnn n

21

<210> 305  
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<223> n stands for any nucleotide wherein any pyrimidine nucleotide present is 2'-Fluoro and all purine nucleotide is 2'-o-methyl

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<400> 305

nnnnnnnnnn nnnnnnnnnn n

21

<210> 306

<211> 21

<212> RNA

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<223> Phosphorothioate or Phosphorodithioate 3'-Internucleotide Linkage (optionally present)

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<222> (20)..(21)

<223> n stands for any nucleotide

<220>

<221> misc\_feature

<222> (21)..(21)

<223> 3'-3 attached terminal glyceryl moiety or inverted deoxyabasic (optionally present)

<400> 306

nnnnnnnnnn nnnnnnnnnn n

21

<210> 307

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<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: siNA sense region

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(19)

&lt;223&gt; n stands for any nucleotide wherein any pyrimidine nucleotide present is 2'-O-methyl or 2'-Fluoro

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (20)..(21)

&lt;223&gt; n stands for any nucleotide

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(1)

&lt;223&gt; 5'-3 attached terminal deoxyabasic moiety, inverted abasic, inverted nucleotide or other terminal cap that is optionally present

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (21)..(21)

&lt;223&gt; 3'-3 attached terminal deoxyabasic moiety, inverted abasic, inverted nucleotide or other terminal cap that is optionally present

&lt;400&gt; 307

nnnnnnnnnn nnnnnnnnnn n

21

&lt;210&gt; 308

&lt;211&gt; 21

&lt;212&gt; RNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: siNA antisense region

&lt;220&gt;

&lt;221&gt; misc\_feature

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&lt;223&gt; n stands for any nucleotide wherein any pyrimidine nucleotide present is 2'-Fluoro

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (20)..(20)

&lt;223&gt; Phosphorothioate or Phosphorodithioate 3'-Internucleotide Linkage (optionally present)

&lt;220&gt;

&lt;221&gt; misc\_feature

<222> (20)..(21)

<223> n stands for any nucleotide

<220>

<221> misc\_feature

<222> (21)..(21)

<223> 3'-3 attached terminal glyceryl moiety or inverted deoxyabasic (optionally present)

<400> 308

nnnnnnnnnnn nnnnnnnnnnn n

21

<210> 309

<211> 21

<212> RNA

<213> Artificial Sequence

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<223> n stands for any nucleotide wherein any pyrimidine nucleotide present is 2'-Fluoro and any purine nucleotide present is 2'-Deoxy

<220>

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<222> (20)..(21)

<223> n stands for any nucleotide

<220>

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<400> 309

nnnnnnnnnnn nnnnnnnnnnn n

21

<210> 310

<211> 21

<212> RNA

<213> Artificial Sequence

<220>

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<223> n stands for any nucleotide wherein any pyrimidine nucleotide present is 2'-Fluoro

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<222> (20)..(21)

<223> n stands for any nucleotide

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<222> (1)..(1)

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<222> (21)..(21)

<223> 3'-3 attached terminal deoxyabasic moiety, inverted abasic, inverted nucleotide or other terminal cap that is optionally present

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nnnnnnnnnn nnnnnnnnnn n

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<210> 311

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<223> n stands for any nucleotide

<220>

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<220>

<221> misc\_feature

<222> (21)..(21)

<223> 3'-3 attached terminal glyceryl moiety or inverted deoxyabasic (optionally present)

<400> 311

nnnnnnnnnn nnnnnnnnnn n

21

<210> 312

<211> 21

<212> RNA

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<223> 3'-3 attached terminal deoxyabasic moiety, inverted abasic, inverted nucleotide or other terminal cap that is optionally present

<220>

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<223> n stands for thymidine

<400> 312

ggcugcuggc augggugcun n

21

<210> 313

<211> 21

<212> RNA

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<222> (20)..(20)

<223> Phosphorothioate or Phosphorodithioate 3'-Internucleotide Linkage (optionally present)



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<222> (20)..(21)

<223> n stands for thymidine

<220>

<221> misc\_feature

<222> (21)..(21)

<223> 3'-3 attached terminal glyceryl moiety or inverted deoxyabasic (optionally present)

<400> 313

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21

<210> 314

<211> 21

<212> RNA

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<220>

<223> Description of Artificial Sequence: siNA sense region

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<220>

<221> misc\_feature

<222> (5)..(5)

<223> 2'-O-Methyl

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<221> misc\_feature

<222> (8)..(9)

<223> 2'-O-Methyl

<220>

<221> misc\_feature

<222> (11)..(11)

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<400> 314

ggcugcuggc augggugcun n

21

<210> 315

<211> 21

<212> RNA

<213> Artificial Sequence

<220>

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<222> (8)..(8)

<223> 2'-O-Methyl

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<220>

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<223> 3'-3 attached terminal glyceryl moiety or inverted deoxyabasic (optionally present)

<400> 315

agcacccaug ccagcagccn n

21

<210> 316

<211> 21

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: siNA sense region

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<221> misc\_feature

<222> (3)..(4)

<223> 2'-O-Methyl or 2'-deoxy-2'-Fluoro

<220>

<221> misc\_feature

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<223> 2'-O-Methyl or 2'-deoxy-2'-Fluoro

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<223> 2'-O-Methyl or 2'-deoxy-2'-Fluoro

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 inverted nucleotide or other terminal cap that is optionally present  
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 inverted nucleotide or other terminal cap that is optionally present  
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 <223> n stands for thymidine  
 <400> 316  
 ggcugcuggc augggugcun n

<210> 317  
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21

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&lt;221&gt; misc\_feature

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&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (11)..(12)

&lt;223&gt; 2'-deoxy-2'-Fluoro

&lt;220&gt;

&lt;221&gt; misc\_feature

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&lt;223&gt; 2'-deoxy-2'-Fluoro

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (18)..(19)

&lt;223&gt; 2'-deoxy-2'-Fluoro

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (20)..(21)

&lt;223&gt; n stands for thymidine

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (20)..(20)

&lt;223&gt; Phosphorothioate or Phosphorodithioate 3'-Internucleotide Linkage (optionally present)

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (21)..(21)

&lt;223&gt; 3'-3 attached terminal glyceryl moiety or inverted deoxyabasic (optionally present)

&lt;400&gt; 317

agcacccaug ccagcagccn n

21

&lt;210&gt; 318

&lt;211&gt; 21

&lt;212&gt; RNA

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<220>

<223> Description of Artificial Sequence: siNA sense region

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<220>

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<222> (5)..(5)

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<223> 2'-deoxy

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<220>

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<223> 2'-deoxy

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<222> (3)..(4)

<223> 2'-deoxy-2'-Fluoro

<220>



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<223> 5'-3 attached terminal deoxyabasic moiety, inverted abasic,
inverted nucleotide or other terminal cap that is optionally present
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inverted nucleotide or other terminal cap that is optionally present
<220>
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<222> (20)..(21)
<223> n stands for thymidine
<400> 318
ggcugcuggc augggugcun n
<210> 319

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<211> 21  
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<220>  
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<222> (3)..(4)  
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inverted nucleotide or other terminal cap that is optionally present

<220>  
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<222> (21)..(21)  
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 inverted nucleotide or other terminal cap that is optionally present

<220>

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<222> (20)..(21)

<223> n stands for thymidine

<400> 319

ggcugcuggc augggugcun n

21

<210> 320

<211> 21

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: siNA antisense region

<220>

<221> misc\_feature

<222> (1)..(2)

<223> 2'-deoxy

<220>

<221> misc\_feature

<222> (4)..(4)

<223> 2'-deoxy

<220>

<221> misc\_feature

<222> (8)..(8)

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<222> (10)..(10)

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<222> (20)..(21)

<223> n stands for thymidine

<220>

<221> misc\_feature

<222> (20)..(20)

<223> Phosphorothioate or Phosphorodithioate 3'-Internucleotide Linkage (optionally present)

<220>

<221> misc\_feature

<222> (21)..(21)

<223> 3'-3 attached terminal glyceryl moiety or inverted deoxyabasic (optionally present)

<400> 320

agcacccaug ccagcagccn n

21

<210> 321

<211> 14

<212> RNA

<213> Artificial sequence

<220>

<223> Description of Artificial Sequence: Target Sequence/duplex forming oligonucleotide

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auauaucuau uucg

14

<210> 322

<211> 14

<212> RNA

<213> Artificial sequence

<220>

<223> Description of Artificial Sequence: Complementary Sequence/duplex forming oligonucleotide

<400> 322

cgaaauagau auau

14

<210> 323

<211> 23

<212> RNA

<213> Artificial sequence

<220>

<223> Description of Artificial sequence: Self Complementary duplex construct

<400> 323

cgaaaauaga uauaucuauu ucg

23

<210> 324

<211> 24

<212> RNA

<213> Artificial sequence

<220>

<223> Description of Artificial Sequence: Duplex forming oligonucleotide

<220>

<221> misc\_feature

<222> (23)..(24)

<223> n stands for thymidine

<400> 324

cgaaauagau auaucuauuu cgnn

24